INSTALLATION

PLUG & PLAY TRAILER WIRING for GL 1500 7674

PARTS INCLUDED

1		Trailer Wiring Isolation Harness with Relay
1		GL 1500 Trailer Wiring Sub Harness
1		Inline Fuse "Y" Harness with Heat Shrink Covered Butt Connectors
1		1/4" Ring Terminal
1		Hardware Kit Containing
	6	Black Nylon Wire ties, 8"
	1	Dielectric Grease Package
	2	1" X 2" Adhesive Backed Hook Strap
	2	1" X 2" Adhesive Backed Loop Strap
	1	Alcohol Pad
1		Installation Instructions

Please read and understand entire instructions before starting installation.

THANK YOU FOR CHOOSING KÜRYAKYN!

IN ORDER TO PROTECT YOU AND OTHERS FROM POSSIBLE INJURY AND/OR PROPERTY DAMAGE OR LOSS, PLEASE PAY CLOSE ATTENTION TO ALL INSTRUCTIONS, WARNINGS, CAUTIONS AND ATTENTION NOTES REGARDING THE USE AND CARE OF THIS PRODUCT.

WARNING! THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN POTENTIAL DEATH OR SERIOUS INJURY.

ATTENTION! **This indication alerts you to the fact that ignoring the contents described herein may negatively affect product performance and functionality.**

TOOLS SUGGESTED

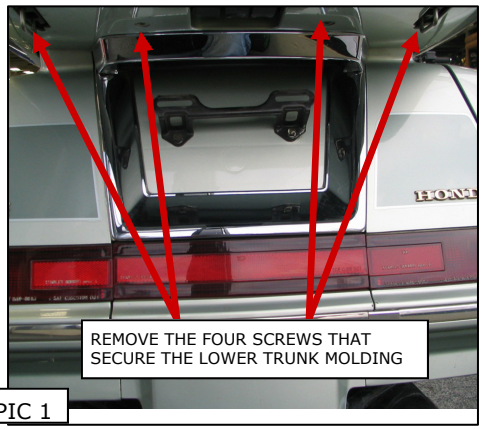
Set of Hex Wrenches, Combination Wrenches, Wire Stripper, Crimping Pliers, Side Cutters, Test Light or Multi Meter, Electrical Tape, Heat Shrink

STRICTLY OBSERVE THE FOLLOWING GUIDELINES IN ORDER TO USE THE PRODUCT PROPERLY AND AVOID POTENTIALLY DANGEROUS ACCIDENTS.

STEP 1 Read and understand all steps in the instructions before starting the installation. Park the motorcycle on a hard, level surface and turn off the ignition.

ATTENTION! **A factory service manual may be helpful in performing this installation. Do not attempt to perform this installation if you are not confident in your ability to complete all of the steps in the procedure; consult a trained technician.**

STEP 2 Remove the four Phillips screws that secure the lower trunk molding. PIC 1



PIC 1

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CUSTOMER SERVICE
877.370.3604 (toll free)

INSTALLATION QUESTIONS
techsupport@kuryakyn.com
or call 715.247.2983

LIMITED WARRANTY
Küryakyn warrants that any Küryakyn products sold hereunder, shall be free of defects in materials and workmanship for a period of one (1) year from the date of purchase by the consumer excepting the following provisions:

- Küryakyn shall have no obligation in the event the customer is unable to provide a receipt showing the date the customer purchased the product(s).
- The product must be properly installed, maintained and operated under normal conditions.
- Küryakyn makes no warranty, expressed or implied, with respect to any gold plated products.
- Küryakyn shall not be liable for any consequential and incidental damages, including labor and paint, resulting from failure of a Küryakyn product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breech of contract or duty between Küryakyn and a customer.
- Küryakyn products are often intended for use in specific applications. Küryakyn makes no warranty if a Küryakyn product is used in applications other than intended.
- Küryakyn electrical products are warranted for one (1) year from the date of purchase by the consumer. L.E.D.'S contained in components of Küryakyn products will be warranted for defects in materials and workmanship for 3 years from the date of purchase where as all other components shall be warranted for one(1) year. This includes, but is not limited to; control modules, wiring, chrome & other components.
- Küryakyn makes no warranty of any kind in regard to other manufacturer¹s products distributed by Küryakyn. Küryakyn will pass on all warranties made by the manufacturer and where possible, will expedite the claim on behalf of the customer, but ultimately, responsibility for disposition of the warranty claim lies with the manufacturer.

ABOUT OUR CATALOG
For purchasing Küryakyn® products, you can receive a complete catalog free of charge. Send the Proof-of-Purchase below with your address to: Küryakyn, P.O. Box 339, Somerset, WI 54025. Please indicate either Accessories Catalog for Harley-Davidson® or GL & Metric Cruisers.

Be sure to ask your local dealer about other Küryakyn® products, the motorcycle parts and accessories designed for riders by riders.

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STEP 3 Take off the license plate and bracket off the back panel. Slide the chrome tabs off the molding exposing the screws for the lower saddlebag corners. Remove the hardware holding on the saddlebag corners. PIC 2

STEP 4 Open the saddlebags exposing the hardware that secures the saddlebags to the bike. Remove the back two hardware bolts, and loosen the fronts but do not fully remove them. PIC 3

STEP 5 With the saddlebags loose, remove the rear fender by sliding it downward. You will notice the rear fender has slots that join the saddlebags to the fender itself. (If there is still resistance, you may have to shift the rear fender to fully unlock the fender.)

STEP 6 Locate the red 6-pin connectors on each side of the rear light bar. PIC 4 Unplug both red connectors.

STEP 7 On the bike locate the red connector that has the orange wire (left side); plug our connector that has the yellow and brown wires in between the red plugs. PIC 5 On the other red connector, that has the light blue wire (right side); plug in our connector that has the blue and green wires in between the red plugs. PIC 6

STEP 8 You should have one four-pin connector left. This connection will be used to supply the power to the trailer. PIC 7

STEP 9 Now go to the right side of the bike (driver's right) and remove the side cover located just below the seat. This will expose the battery, which will be needed to wire power to the relay harness. You will also need to remove the seat. Remove the fasteners that secure the seat. There will be four bolts that secure the seat through the passenger handles.

STEP 10 Take a piece of wire or a straight coat hanger (to pull the wire through) and run it between the frame and saddlebag, above the battery until you can reach it from the back of the bike. With the supplied Trailer Isolation Relay Kit, take the red wire, red with a black stripe power and black ground wires and tape them to the wire (these will be in black sheathing). Secure the wire harness to the wire tight enough that it will not come undone in the routing process.

STEP 11 Pull the wire or coat hanger toward the front of the bike with the wires still secured to it. Once the wires are pulled far enough to reach the battery, they can be removed from the wire/coat hanger.

STEP 12 Take the red power wire and connect it to one end of the "Y " wire attached to the fuse holder with the butt connectors. PIC 8 Slide the wire into the end of the butt connector and crimp.

STEP 13 The red wire with a black stripe is a power wire that can be used for keyless entry power or interior lighting on the trailer. If your trailer **DOES NOT** need an extra power wire for accessory lighting, then **DO NOT** connect this to the other "Y" wire from the fuse holder. Wrap the butt connector on the unused red "Y" wire with electrical tape or heat shrink to prevent an unwanted short, as it will have power to it all the time, and secure it out of harms way. Proceed to Step 14.

WARNING: WHEN THE SINGLE RED WIRE WITH THE RING TERMINAL IS CONNECTED TO THE BATTERY IN STEP 15, THE RED WIRE WITH THE BUTT CONNECTOR WILL HAVE POWER AT THE BUTT CONNECTOR. **MAKE SURE IT IS CAPPED OFF AS IN STEP 13 BEFORE ATTACHING** THIS WIRE TO THE BATTERY!

STEP 14 If your trailer **DOES** need an extra power wire for accessory lighting, Take the red with black stripe power wire and connect it to the end of the second "Y" wire with the attached butt connector. PIC 8 Slide the wire into the end of the butt connector and crimp.

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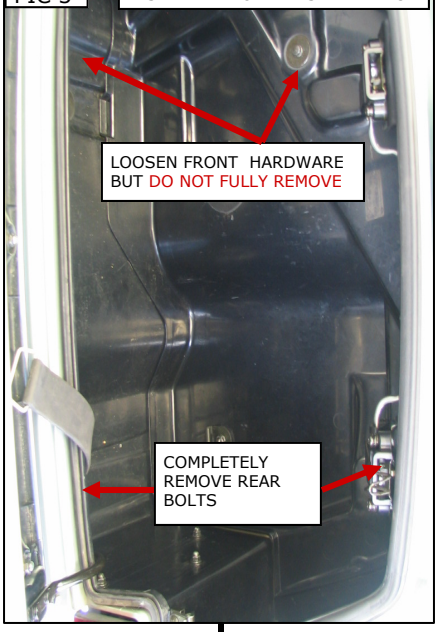
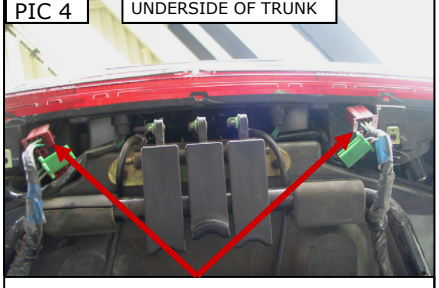
PIC 2

PIC 3 INSIDE VIEW OF THE SADDLEBAG

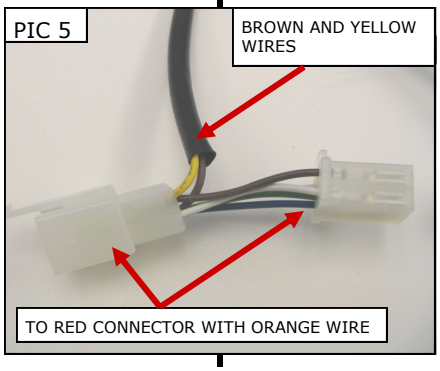


PIC 4 UNDERSIDE OF TRUNK



RED CONNECTORS NEEDED FOR TRAILER WIRING

PIC 5



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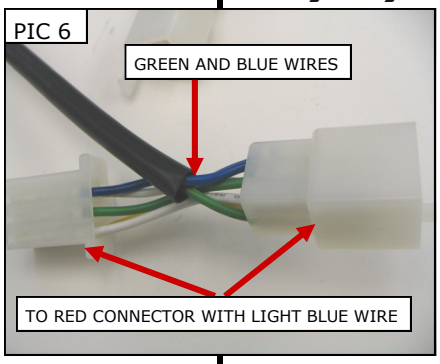
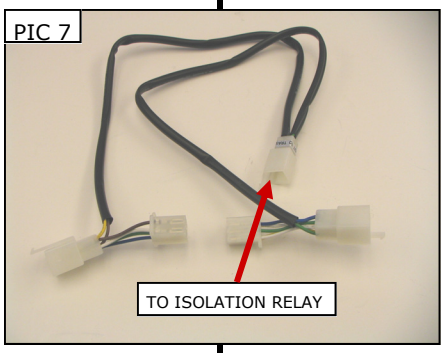
NOTE: **If you would like to have "keyed" power to the red with black stripe wire, instead of constant power, use a test light to find a "keyed" wire on the bike and attach this wire to it. Be sure to cap off the unused butt connector on the "Y" wire from the fuse holder as in Step 14. Make sure that the added amperage from the trailer accessory will not overload the chosen circuit.**



WARNING: WHEN THIS SINGLE RED WIRE WITH THE RING TERMINAL IS CONNECTED TO THE BATTERY IN STEP 15, THE RED WIRE WITH THE BLACK STRIPE WILL HAVE POWER AT THE OTHER END OF IT. **MAKE SURE IT IS CAPPED OFF AS THE RED WIRE IN STEP 13, OR ATTACHED TO THE TRAILER PLUG, BEFORE ATTACHING** THIS WIRE TO THE BATTERY!

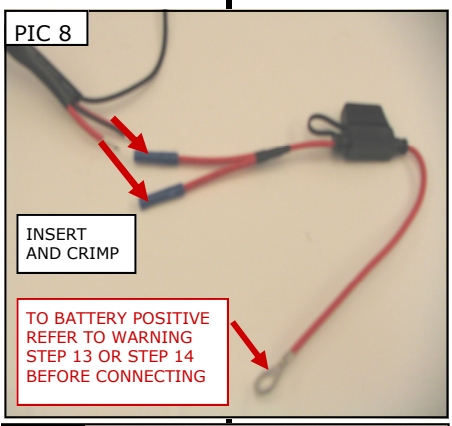
STEP 15 Attach the single red wire from the other end of the fuse holder with the ring terminal to the positive side of the battery. PIC 8 Connect the long black ground wire to the negative on the battery using the supplied 1/4" ring terminal (you will need to crimp this to the black wire). PIC 9



STEP 16 On the back of the bike, plug the Trailer Isolation Relay Kit to the sub-harness.

STEP 17 With the two (four pin) plugs connected, use a test light to check for proper function. Turn the key on and test both signals. (Yellow is left and Green is right turn) Brake lights (Blue) and Run light. (Brown). The red wire with a black stripe is a power wire that can be used for keyless entry power or interior lighting on the trailer. The white wire is ground. PIC 10

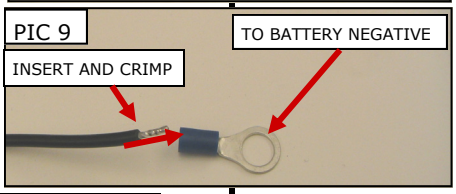
ATTENTION! **Secure all wiring away from any moving parts, pinch points or extreme heat. Kuryakyn WILL NOT issue a warranty on any electrical component that fails due to pinched, crimped, broken, abraded, melted or frayed wires.**



STEP 18 Tie up any excess wire length with the provided cable ties. Locate an area on the bike that you will be able to mount the trailer isolation relay box. Take the provided 1" x 2" Hook Strap and the 1" x 2" Loop Strap and place one on the back of the trailer isolation relay and the other on the bike in a good and safe area that is out of harms way.

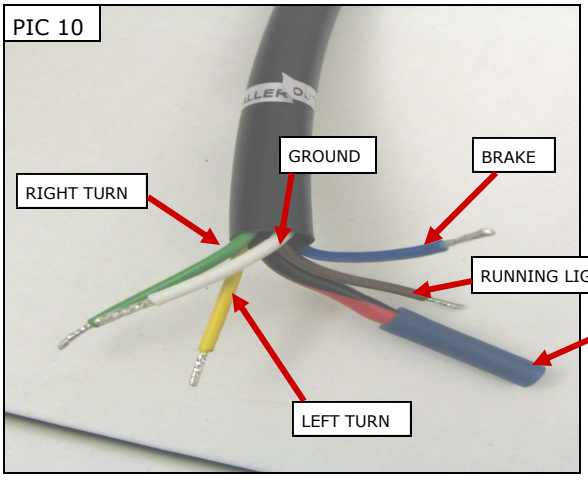
STEP 19 Wire up any style connector or 5-4 converter needed for your application.

STEP 20 Re-install seat and secure with the mounting hardware that was removed in Step 9. Re-install the battery cover. Reverse Steps 2 to 5 to reassemble the bike. Check tightness of all fasteners.



WARNING! ENSURE PROPER TRAILER AND MOTORCYCLE LIGHT OPERATION BEFORE RIDING THE MOTORCYCLE. VISIBILITY IS A MAJOR CONCERN FOR MOTORCYCLISTS. TRAILER OR MOTORCYCLE LIGHT MALFUNCTION COULD RESULT IN DEATH OR SERIOUS INJURY.

ATTENTION! **It is the installer's responsibility to ensure that all of the fasteners (including preassembled) are tightened before operation of the motorcycle. Kuryakyn will not issue a warranty on components lost due to improper installation. Periodic maintenance may be required.**



Ride On!